

# *A Resolution of The State Mining & Geology Board*

THE STATE MINING &  
GEOLOGY BOARD  
Sacramento, California

ALLEN M. JONES, CHAIRMAN  
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*Resolution Number 2007-03*

## **In Support of Adding Earth and Space Sciences To the University of California Laboratory Science Admission Requirements**



**Whereas:** The State Mining and Geology Board (Board) recognizes the important role and need for earth science education and outreach at all grade levels. In addition, the Board also recognizes that earth science education and outreach can be arguably the most important science California students can take in order for students to:

- a) To make informed decisions about how to live with California geologic hazards;
- b) To understand the natural resources that play such a critical role in California's history and in our future; and
- c) To understand environmental issues such as climate change, sea-level changes, water supply, interplay between resource development and fulfilling societal needs, etc.

**Whereas:** The Board also recognizes the state of science in the United States is of mounting concern, with disturbing trends in science education, and low public scientific literacy and competitiveness;

**Whereas:** The citizens of California are increasingly being asked to vote on complex initiatives requiring a basic understanding of the Earth sciences. Issues such as global climate change, asbestos in the environment, evolution, water policy, mineral resources, soil and groundwater contamination, energy use and policy, mining issues, earthquake risks, etc., have been passed to the citizenry for decisions in the past decades;

**Whereas:** The Board in its capacity to provide public information on a number of geologic matters, agrees that a stronger factual knowledge of geologic processes is essential if these decisions are to be based on more than emotion or special interest groups; and

***Whereas:*** The University of California’s “d” and “g” requirements for “laboratory science” in the high school specify “two years from...the fields of biology, chemistry, and physics”; however, the national standards for “core courses” at the secondary school level, issued by the National Research Council in 1996 includes “life science”, “Earth and space science”, and “physical science” as core subjects.

***Therefore, be it resolved that:*** The State Mining and Geology Board supports adding Earth and Space Science to the University of California Laboratory Science Admission Requirements.



*Adopted: February 8, 2007*

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Allen M. Jones, Chairman